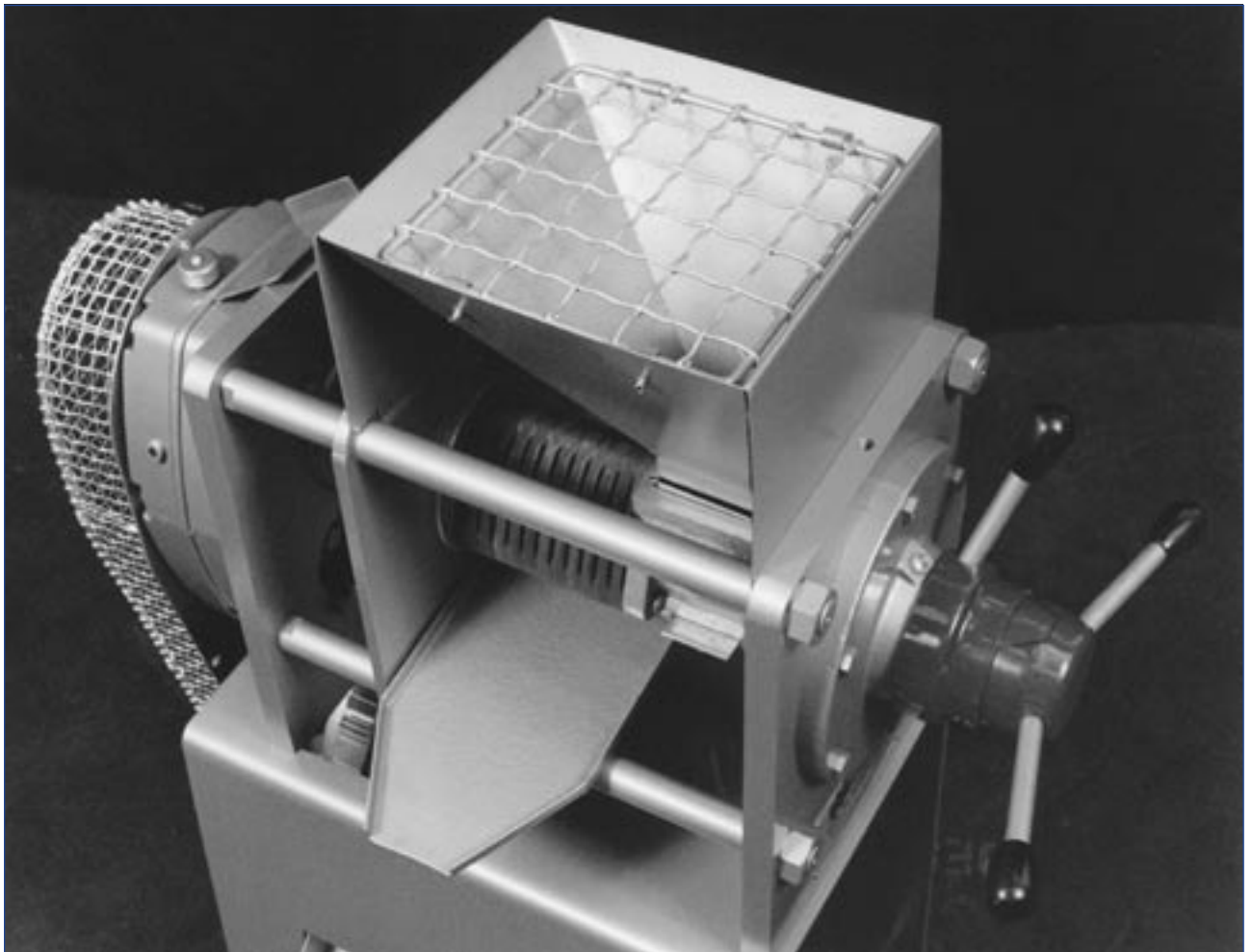




# armfield

## OIL EXTRACTION SCREW PRESS

**FT28**  
provisional



*The unit has been developed to meet an increasing demand for a relatively unsophisticated small capacity press, suitable for laboratory work.*

Food Process Engineering and Technology

FT



## DESCRIPTION

Seed or ground meal is gravity fed to the press from an integral feed hopper fitted with a manually operated shut-off slide. The thickness of the press cake may be varied. The press is driven at the discharge end through a single reduction helical gearbox.

The power source is a 4kW, 4 pole, 3 phase electric motor.

Typical throughput data for various seeds is shown in the table below.

		First press		Second Press	
Seed	Pre-treatment	Throughput kg/hour	% Oil in cake	Throughput (1st press cake) kg/hour	% Oil in cake
Sunflower	Clean	35/40	15/28	40	12
Rape	Clean	35/40	17/20	40	13
Linseed	Clean	28	20	40	12
Copra	Clean and break to 10/12mm pieces	40	30	40	12
Palm Kernels	Clean and grind to 8 mesh	P35/40	20	35	12
Macadamia Kernels	Clean	30 (60% kernels/ 40% cake)	20/24	30	14/16

## TECHNICAL DETAILS

### FT28-E version:

Screw press, having barrel constructed from separate cast rings spaced apart by shims. 60mm diameter bore, 155mm drainage length with single piece wormshaft driven at the discharge end through a single reduction helical gearbox. Complete with feed hopper, manual feed chute, oil discharge chute and suitable base plate. Includes: one 4kW, 4 pole motor, 1440 rpm with starter, including two pulleys and three belts to give a 2.35 to 1 ratio.

## SERVICES REQUIRED

### Electrical Supply:

FT28-C: 415V/3ph/50hz  
 FT28-D: 208V/3ph/60hz  
 FT28-E: 380V/3ph/50hz  
 FT28-F: 220V/3ph/60hz

## OVERALL DIMENSIONS

Length: 1.09m  
 Width: 0.99m  
 Height: 1.20m

## SHIPPING SPECIFICATION

Gross weight: 320kg  
 Volume: 1.10m<sup>3</sup>

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Specifications may change without notice  
 FT28Prov/1205/AL